

## ABSTRACT

A high-performance, fast-response, multi-sensor pressure probe for velocity and pressure measurement applications in unsteady and turbulent flowfields. The invention includes both 5 and 7-sensor probes, hemispherical-tip probes and conical-tip probes of various diameters. The present invention eliminates the need for long pressure tubing in such probes by placing the sensors adjacent the flow apertures which leads to a dramatic response in probe measurement frequency response which extends the use of the invention to unsteady and turbulent flows.

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